

What is claimed is:

1. A method of manufacturing polyolefin-polyamide resin composition, comprising melting and kneading, extruding, and drafted drawing or rolling (a) a polyolefin, (b) a polyamide,
5 (c) a silane coupling agent, (d) a first antioxidant with a melting point of 70-170 °C, and (e) a second antioxidant with a melting point of 180-300 °C to disperse the polyamide (b) in the form of fiber with an average fiber diameter of 1 µm or less in the polyolefin (a) to finish the composition in the form of pellets.

10 2. The method of manufacturing polyolefin-polyamide resin compositions according to claim 1, comprising:

a first step of melting and kneading the polyolefin of component (a), the silane coupling agent of component (c), the first antioxidant of component (d), and the second antioxidant
15 of component (e) for chemical modification;

a second step of melting and kneading the polyamide of component (b) at a melting point of the component (b) or higher into the component (a) chemically modified in the first step;

20 a third step of melting and kneading the polyamide of component (b) for chemical modification at the melting point of the component (b) or higher into the component (a) chemically modified in the first step and extruding a product;

25 a fourth step of drafted drawing or rolling the extruded product molten and kneaded and chemically modified in the third step, at a temperature higher than a melting point of the component (a) and lower than the melting point of the component (b); and

a step of pelletizing a composition drawn or rolled in the fourth step, by cooling down the composition to room temperature.